LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Original) A method of computing comprising:

reading a data processing representation having code sections with code statements of at least a first and a second programming language;

recognizing a first code section with at least code statements of a first programming language;

invoking a first code statement processing unit of the first programming language to process the first code section;

recognizing a second code section with at least code statements of a second programming language;

invoking a second code statement processing unit of the second programming language to process the second code section.

2.   (Previously Presented) The method of claim 1, wherein the first and second code sections are non-interleaved code sections.

3.   (Original) The method of claim 1, wherein said second code section is embedded within said first code section.

4.   (Original) The method of claim 1, wherein said first language is a directive language, and said second language is a selected one of XML and Java.

5.   (Original) The method of claim 1, wherein said first language is Java, and said second language is XML.

6.   (Previously Presented) The method of claim 1, wherein the method further comprises

recognizing a third code section with at least code statements of a third programming
    language; and

invoking a third code statement processing unit of the third programming language to
    process the third code section.

7.   (Original) The method of claim 6, wherein said third code section is embedded
within said second code section, and said second code section is embedded within said first
code section.

8.   (Original) The method of claim 6, wherein said first language is a directive language,
said second language is Java and said third language is XML.

9.   (Previously Presented) The method of claim 1, wherein the method further comprises
    recognizing an invocation of a library function within at least a selected one of said
        first and second code sections; and
    invoking the library function, and outputting the result of the invocation.

10.   (Original) The method of claim 9, wherein the library function is a selected one of an
emit function for outputting execution results, a pop function for returning an element, and a
push function for backing up an insertion point.

11.   (Original) The method of claim 1, wherein the method further comprises
    recognizing a header section of a selected one of the first and the second
        programming language;
    recognizing a directive statement within the header section, enumerating one or more
        data packages; and
    importing the enumerated one or more data packages for use within code sections
        with at least statements of the selected first and second programming
        language.

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12. (Original) The method of claim 1, wherein the method further comprises
recognizing a header section of a selected one of the first and the second
programming language;
recognizing a declare statement within the header section, enumerating one or more
processing methods; and
instantiating the enumerated one or more processing methods for use within code
sections with at least statements of the selected first and second programming
language.

13. (Original) The method of claim 1, wherein the method further comprises
recognizing a header section of a selected one of the first and the second
programming language;
recognizing a declare statement within the header section, enumerating one or more
instance variables; and
instantiating the enumerated one or more instance variables for use within code
sections with at least statements of the selected first and second programming
language.

14. (Original) A method of computing comprising:
reading a data processing representation having code sections with code statements of
at least a first and a second programming language;
recognizing a header section of a selected one of the first and the second
programming language;
recognizing a directive statement within the header section, enumerating one or more
data packages; and
importing the enumerated one or more data packages for use by code sections within
code sections with at least statements of the selected first and second
programming language.

15. (Original) The method of claim 14, wherein the method further comprises

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recognizing a declare statement within the header section, enumerating one or more processing methods; and

instantiating the enumerated one or more processing methods for use within code sections with at least statements of the selected first and second programming language.

16.   (Original) The method of claim 14, wherein the method further comprises
recognizing a declare statement within the header section, enumerating one or more instance variables; and

instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.

17.   (Original) A method of computing comprising:
reading a data processing representation having code sections with code statements of at least a first and a second programming language;

recognizing a header section of a selected one of the first and the second programming language;

recognizing a first declare statement within the header section, enumerating one or more processing methods; and

instantiating the enumerated one or more processing methods for use within code sections with at least statements of the selected first and second programming language.

18.   (Original) The method of claim 17, wherein the method further comprises
recognizing a second declare statement within the header section, enumerating one or more instance variables; and

instantiating the enumerated one or more instance variables for use within code sections with at least statements of the selected first and second programming language.

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19.   (Original) A method of computing comprising:

reading a data processing representation having code sections with code statements of
at least a first and a second programming language;

recognizing a header section of a selected one of the first and the second
programming language;

recognizing a declare statement within the header section, enumerating one or more
instance variables; and

instantiating the enumerated one or more instance variables for use within code
sections with at least statements of the selected first and second programming
language.

20.   (Original) An apparatus comprising:

at least one storage unit having stored thereon programming instructions designed to
enable the apparatus to

read a data processing representation having code sections with code statements of at
least a first and a second programming language,

recognize a first code section with code statements of at least the first programming
language,

invoking a first code statement processing unit of the first programming language to
process the first code section,

recognize a second code section with code statements of at least the second
programming language,

invoking a second code statement processing unit of the second programming
language to process the second code section; and

at least one processor coupled to said at least one storage unit to execute said
programming instructions.

21.   (Previously Presented) The apparatus of claim 20, wherein the first and second code
sections are non-interleaved code sections.

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22. (Original) The apparatus of claim 20, wherein said second code section is embedded within said first code section.

23. (Original) The apparatus of claim 20, wherein said first language is a directive language, and said second language is a selected one of XML and Java.

24. (Original) The apparatus of claim 20, wherein said first language is Java, and said second language is XML.

25. (Previously Presented) The apparatus of claim 20, wherein the programming instructions further enable the apparatus to

recognize a third code section with at least code statements of a third programming language; and

invoke a third code statement processing unit of the third programming language to process the third code section.

26. (Original) The apparatus of claim 25, wherein said third code section is embedded within said second code section, and said second code section is embedded within said first code section.

27. (Original) The apparatus of claim 25, wherein said first language is a directive language, said second language is Java and said third language is XML.

28. (Previously Presented) The apparatus of claim 20, wherein said programming instructions further enable the apparatus to

recognize an invocation of a library function of a selected one of the first and the second programming language within the first code section; and

invoke the library function, and output the result of the invocation.

29.   (Original) The apparatus of claim 28, wherein the library function is a selected one of an emit function for outputting execution results, a pop function for returning an element, and a push function for backing up an insertion point.

30.   (Original) The apparatus of claim 20, wherein the said programming instructions are further designed to enable the apparatus to

> recognize a header section of a selected one of the first and the second programming language;
>
> recognize a directive statement within the header section, enumerating one or more data packages; and
>
> import the enumerated one or more data packages for use by code sections with at least code statements of the selected one of the first and the second programming language.

31.   (Original) The apparatus of claim 20, wherein said programming instructions are further designed to enable the apparatus to

> recognize a header section of a selected one of the first and the second programming language;
>
> recognize a declare statement within the header section, enumerating one or more processing methods; and
>
> instantiate the enumerated one or more processing methods for use within code sections with at least code statements of the selected one of the first and the second programming language.

32.   (Original) The apparatus of claim 20, wherein said programming instructions are further designed to enable the apparatus to

> recognize a header section of a selected one of the first and the second programming language;
>
> recognize a declare statement within the header section, enumerating one or more instance variables; and

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instantiate the enumerated one or more instance variables for use code sections with
at least code statements of the selected one of the first and the second
programming language.

33.   (Original) An apparatus comprising:
at least one storage medium having stored therein a plurality of programming
instructions designed to enable the apparatus to
read a data processing representation having code sections with programming
language statements of at least a first and a second programming language,
recognize a header section of a selected one of the first and the second programming
language;
recognizing a directive statement within the header section, enumerating one or more
data packages, and
import the enumerated one or more data packages for use code sections with at least
code statements of the selected one of the first and the second programming
language; and
at least one processor coupled to the storage medium to execute the programming
instructions.

34.   (Original) The apparatus of claim 33, wherein said programming instructions are
further designed to enable the apparatus to
recognize a declare statement within the header section, enumerating one or more
processing methods, and
instantiate the enumerated one or more processing methods for use within code
sections with at least code statements of the selected one of the first and the
second programming language.

35.   (Original) The apparatus of claim 33, wherein said programming instructions are
further designed to enable the apparatus to

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recognize a declare statement within the header section, enumerating one or more instance variables, and

instantiate the enumerated one or more instance variables for use within code sections with at least code statements of the selected one of the first and the second programming language.

36.   (Original) An apparatus comprising:

at least one storage medium having stored therein a plurality of programming instructions designed to enable the apparatus to

read a data processing representation having code sections with code statements of at least a first and a second programming language,

recognize a header section of a selected one of the first and the second programming language,

recognize a first declare statement within the header section, enumerating one or more processing methods, and

instantiate the enumerated one or more processing methods for use within code sections with at least code statements of the selected one of the first and the second programming language; and

at least one processor coupled to the storage medium to execute the programming instructions.

37.   (Original) The apparatus of claim 36, wherein said programming instructions are further designed to enable the apparatus to

recognize a second declare statement within the header section, enumerating one or more instance variables, and

instantiate the enumerated one or more instance variables for use within code sections with at least code statements of the selected one of the first and the second programming language.

38.   (Original) An apparatus comprising:

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at least one storage medium having stored therein a plurality of programming
instructions designed to enable the apparatus to

read a data processing representation having code sections with code statements of at
least a first and a second programming language,

recognize a header section of a selected one of the first and the second programming
language,

recognize a declare statement within the header section, enumerating one or more
instance variables,

instantiate the enumerated one or more instance variables for use within code sections
with at least code statements of the selected one of the first and the second
programming language; and

at least one processor coupled to the storage medium to execute the programming
instructions.